

Listing of the claims

1.- 89. (Cancelled)

90. (New) A method of redirecting information between a messaging host system and a wireless mobile data device that is associated with a computer connected over a network to the messaging host system, the method comprising the steps of:

receiving an automatically generated notification at a redirector component indicating receipt of a mail item from a sender by the messaging host system, wherein the mail item is addressed to a data store that is associated with the messaging host system and is viewable via the computer;

processing a copy of the mail item at the redirector component to add address information associated with the wireless mobile data device and to encrypt the copy of the mail item;

sending the encrypted copy of the mail item from the redirector component to the wireless mobile data device over a wireless network;

receiving an encrypted reply mail item from the wireless mobile data device at the redirector component;

decrypting the reply mail item at the redirector component;
and

interfacing the reply mail item to the messaging host system by the redirector component such that the reply mail item is sent to the sender.

91. (New) The method as recited in claim 90 wherein the redirector component is operating on the messaging host system.

92. (New) The method as recited in claim 90 wherein the redirector component is operating on a host system that is coupled to the messaging host system via the network.

93. (New) The method as recited in claim 90 wherein the processing step further comprises compressing the copy of the mail item.

94. (New) The method as recited in claim 90 wherein the processing step further comprises encoding the copy of the mail item.

95. (New) The method as recited in claim 90 wherein the processing step further comprises encoding the copy of the mail item using Multipurpose Internet Mail Extensions.

96. (New) The method as recited in claim 90 wherein the data store address is an email mailbox at the messaging host system associated with a user of the computer and the wireless mobile data device.

97. (New) The method as recited in claim 90 wherein the step of sending the encrypted copy of the mail item from the redirector component to the wireless mobile data device over the wireless network further comprises sending the encrypted copy of the mail item via a wireless gateway disposed between a wide area network and the wireless network.

98. (New) The method as recited in claim 90 further comprising the step of storing the mail item at the data store associated with the messaging host system.

99. (New) A system for redirecting information between a messaging host system and a wireless mobile data device that is associated with a computer connected over a network to the messaging host system, the system comprising:

means for receiving an automatically generated notification indicating receipt of a mail item from a sender by the messaging host system, wherein the mail item is addressed to a data store that is associated with the messaging host system and is viewable via the computer;

means for processing a copy of the mail item to add address information associated with the wireless mobile data device and to encrypt the copy of the mail item;

means for sending the encrypted copy of the mail item to the wireless mobile data device over a wireless network;

means for receiving an encrypted reply mail item from the wireless mobile data device;

means for decrypting the reply mail item; and

means for interfacing the reply mail item to the messaging host system such that the reply mail item is sent to the sender.

100. (New) The system as recited in claim 99 wherein the means for processing further comprises means for compressing the copy of the mail item.

101. (New) The system as recited in claim 99 wherein the means for processing further comprises means for encoding the copy of the mail item.

102. (New) The system as recited in claim 99 wherein the means for processing further comprises means for encoding the copy of the mail item using Multipurpose Internet Mail Extensions.

103. (New) The system as recited in claim 99 wherein the data store address is an email mailbox at the messaging host system associated with a user of the computer and the wireless mobile data device.

104. (New) The system as recited in claim 99 wherein the means for sending the encrypted copy of the mail item to the wireless mobile data device over the wireless network further comprises means for sending the encrypted copy of the mail item via a wireless gateway disposed between a wide area network and the wireless network.

105. (New) A computer-accessible medium having a sequence of instructions which, when executed by a processing entity, effectuate the redirection of information between a messaging host system and a wireless mobile data device that is associated with a computer connected over a network to the messaging host system, the computer-accessible medium comprising:

- a code portion for receiving an automatically generated notification indicating receipt of a mail item from a sender by the messaging host system, wherein the mail item is addressed to a data store that is associated with the messaging host system and is viewable via the computer;

- a code portion for processing a copy of the mail item to add address information associated with the wireless mobile data device and to encrypt the copy of the mail item;

- a code portion for sending the encrypted copy of the mail item to the wireless mobile data device over a wireless network;

- a code portion for receiving an encrypted reply mail item from the wireless mobile data device;

- a code portion for decrypting the reply mail item; and

- a code portion for interfacing the reply mail item to the messaging host system such that the reply mail item is sent to the sender.

106. (New) The computer-accessible medium as recited in claim 105 wherein the code portion for processing further comprises a code portion for compressing the copy of the mail item.

107. (New) The computer-accessible medium as recited in claim 105 wherein the code portion for processing further comprises a code portion for encoding the copy of the mail item.

108. (New) The computer-accessible medium as recited in claim 105 wherein the code portion for processing further comprises a code portion for encoding the copy of the mail item using Multipurpose Internet Mail Extensions.

109. (New) The computer-accessible medium as recited in claim 105 wherein the code portion for sending the encrypted copy of the mail item to the wireless mobile data device over the wireless network further comprises a code portion for sending the encrypted copy of the mail item via a wireless gateway disposed between a wide area network and the wireless network.